

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P830358

Luminaire Tested: **OHBL-36HE-NL-UNV-L750-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-NL-UNV-L750-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

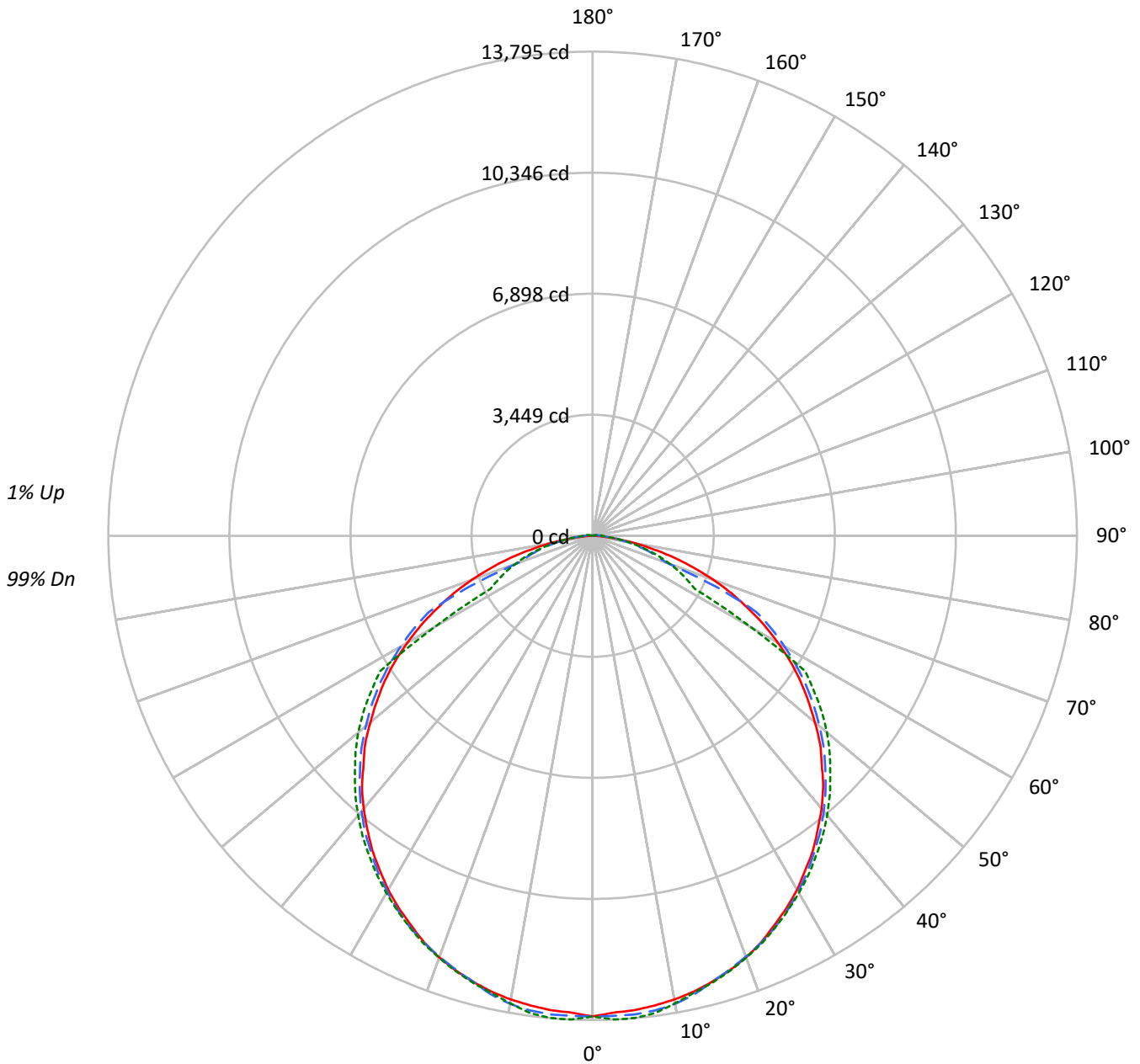
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38448.0 lumens
Efficiency: N/A
Efficacy: 181.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 212
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21657	21657	21657
5°	21537	21732	21896
10°	21543	21748	21721
15°	21540	21536	21583
20°	21510	21478	21530
25°	21363	21472	21489
30°	21264	21374	21458
35°	21126	21242	21442
40°	20944	21143	21455
45°	20642	20954	21411
50°	20331	20745	21431
55°	19942	20459	21195
60°	19274	19958	16500
65°	18236	19296	11105
70°	16866	10243	10777
75°	14712	9734	10292
80°	11313	8930	9432
85°	5710	9026	9241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1301.0	3.4
10°-20°	3725.1	9.7
20°-30°	5668.1	14.7
30°-40°	6891.6	17.9
40°-50°	7246.2	18.8
50°-60°	6616.6	17.2
60°-70°	4241.6	11.0
70°-80°	2003.7	5.2
80°-90°	555.6	1.4
90°-100°	147.1	0.4
100°-110°	40.3	0.1
110°-120°	11.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10694.2	27.8
0°-40°	17585.8	45.7
0°-60°	31448.6	81.8
0°-90°	38249.4	99.5
90°-120°	198.6	0.5
90°-150°	198.6	0.5
90°-180°	199.0	0.5
0°-180°	38448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13694	13694	13694	13694	13694	
5°	13567	13620	13689	13764	13793	###
15°	13156	13254	13154	13173	13182	3714
25°	12243	12262	12305	12324	12315	5649
35°	10943	10878	11003	11138	11106	6839
45°	9229	9213	9369	9590	9573	7134
55°	7233	7177	7420	7668	7687	6450
65°	4873	4873	5156	2958	2968	4831
75°	2408	2453	1593	1677	1684	2538
85°	315	399	497	538	509	465
90°	0	135	221	262	257	14
95°	7	70	159	214	214	4
105°	12	26	38	38	36	12
115°	12	17	24	17	2	9
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13694.2	13694.2	13694.2	13694.2	13694.2
2.5°	13598.0	13643.8	13694.2	13759.1	13794.9
5°	13566.7	13619.6	13689.4	13763.9	13792.6
7.5°	13499.6	13573.9	13641.3	13694.2	13711.0
10°	13415.4	13504.4	13542.8	13538.0	13526.0
12.5°	13302.4	13396.3	13384.3	13328.9	13338.5
15°	13155.9	13254.3	13153.6	13172.7	13182.3
17.5°	12982.9	13079.0	12961.3	12999.7	13002.2
20°	12781.1	12853.1	12761.8	12793.1	12793.1
22.5°	12538.4	12588.8	12550.4	12572.0	12576.9
25°	12242.8	12261.9	12305.2	12324.5	12314.8
27.5°	11959.4	11935.3	12019.5	12065.0	12040.8
30°	11644.5	11606.1	11704.5	11779.1	11750.3
32.5°	11284.0	11260.1	11373.0	11461.8	11445.0
35°	10942.8	10878.0	11002.9	11137.5	11106.2
37.5°	10539.1	10500.7	10642.4	10784.3	10767.6
40°	10145.0	10080.2	10241.2	10409.4	10392.6
42.5°	9722.2	9645.1	9820.7	10022.7	10003.3
45°	9229.4	9212.6	9368.9	9589.9	9573.1
47.5°	8792.4	8708.2	8926.7	9140.7	9160.0
50°	8263.5	8232.4	8431.9	8691.4	8710.5
52.5°	7747.0	7725.4	7934.3	8196.3	8229.9
55°	7232.6	7177.4	7420.1	7667.7	7687.0
57.5°	6682.6	6624.9	6872.4	7141.6	7182.3
60°	6093.7	6038.5	6309.9	6560.0	5216.8
62.5°	5505.0	5466.6	5750.2	4073.0	3282.5
65°	4873.1	4873.1	5156.5	2957.9	2967.6
67.5°	4282.1	4243.7	3844.8	2657.5	2657.5
70°	3647.6	3662.1	2215.3	2328.5	2330.8
72.5°	3010.8	3063.8	1912.8	2003.9	2008.8
75°	2407.7	2453.4	1593.1	1677.3	1684.4
77.5°	1768.6	1360.0	1280.7	1345.8	1348.1
80°	1242.2	857.8	980.5	1042.8	1035.7
82.5°	725.6	600.6	718.4	764.2	761.7
85°	314.7	398.9	497.4	538.3	509.3
87.5°	100.7	247.5	309.9	334.0	331.5
90°	0.0	134.6	221.1	261.8	257.2
92.5°	0.0	105.6	192.3	240.4	242.7
95°	7.1	69.7	158.7	214.0	214.0
97.5°	4.8	50.4	113.0	168.2	173.0
100°	4.8	40.7	74.5	120.1	122.6
102.5°	12.0	33.6	45.5	76.8	79.4
105°	12.0	26.5	38.4	38.4	36.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.5	19.3	26.5	19.3	2.3
115°	12.0	16.8	23.9	16.8	2.3
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	12.0	23.9	33.6	21.6	7.1
110°	14.5	21.6	28.7	19.3	2.3



(END OF REPORT)